

PCT09

RAW SEQUENCE LISTING

DATE: 10/30/2001

PATENT APPLICATION: US/09/807,236

TIME: 13:26:37

Input Set : A:\BB1255 PCT Seq Listing.txt

Output Set: N:\CRF3\10302001\I807236.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: E. I. du Pont de Nemours and Company
 5 <120> TITLE OF INVENTION: Plant Histidine Biosynthetic Enzymes
 7 <130> FILE REFERENCE: BB1255
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/807,236
 C--> 10 <141> CURRENT FILING DATE: 2001-07-23
 12 <150> PRIOR APPLICATION NUMBER: 60/105,409
 13 <151> PRIOR FILING DATE: 1998-10-23
 15 <160> NUMBER OF SEQ ID NOS: 22
 17 <170> SOFTWARE: Microsoft Office 97

ERRORED SEQUENCES

743 <210> SEQ ID NO: 22
 744 <211> LENGTH: 327
 745 <212> TYPE: PRT
 746 <213> ORGANISM: Triticum aestivum
 748 <400> SEQUENCE: 22
 749 Arg Arg Trp Asn Ser Thr Glu Lys Pro Tyr Pro Ala Val Ala Pro Ser
 750 1 5 10 15
 752 Ser Asn Phe Pro Met Ala Ser Arg Cys Ala Ala Arg Leu Pro His Pro
 753 20 25 30
 755 Pro Cys Ala Ala Pro His His Gly Trp Ala Ser Ser Arg Val Ser Ala
 756 35 40 45
 758 Arg Pro Ala Gln Ser Gly Ala Ser Arg Gly Arg Ala Val Val Cys Ala
 759 50 55 60
 761 Val Ser Phe Arg Pro Cys Ile Asp Ile His Lys Gly Lys Val Lys Gln
 762 65 70 75 80
 764 Ile Val Gly Ser Thr Leu Arg Asp Ala Ser Asp Asp Gly Thr Ala Leu
 765 85 90 95
 767 Val Thr Asn Phe Glu Ser Asp Lys Ser Pro Ala Glu Phe Ala Asn Ile
 768 100 105 110
 770 Tyr Lys Glu Asp Gly Leu Val Gly Gly His Val Ile Met Leu Gly Gly
 771 115 120 125
 773 Asp Pro Ala Ser Arg Ser Ala Ala Leu Glu Ala Leu His Ala Tyr Pro
 774 130 135 140
 776 Gly Gly Leu Gln Val Gly Gly Gly Ile Asn Leu Glu Asn Ala Met Ser
 777 145 150 155 160
 779 Tyr Leu Asn Glu Gly Ala Ser His Val Ile Val Thr Ser Tyr Val Phe
 780 165 170 175
 782 Ser Asp Gly Lys Met Asn Ile Glu Arg Leu Thr Gln Leu Val Glu Leu
 783 180 185 190
 785 Val Gly Lys Glu Arg Leu Ile Leu Asp Leu Ser Cys Arg Lys Lys Asp
 786 195 200 205
 788 Gly Arg Tyr Ala Ile Val Thr Asp Arg Trp Gln Lys Phe Ser Asp Val
 789 210 215 220
 791 Phe Val Asp Gly Pro Thr Leu Glu Arg Leu Ala Ala Tyr Ala Asp Glu

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```

792 225                230                235                240
794 Phe Leu Val His Gly Val Asp Val Glu Gly Lys Arg Leu Gly Ile Asp
795                245                250                255
797 Glu Glu Leu Val Glu Leu Leu Gly Ser His Ser Pro Ile Pro Thr Thr
798                260                265                270
800 Tyr Ala Gly Gly Val Ser Thr Met Asp Asp Leu Glu Arg Ile Lys Lys
801                275                280                285
803 Ala Gly Lys Ser Arg Val Asp Val Thr Val Gly Ser Ala Leu Asp Ile
804                290                295                300
806 Phe Gly Gly Asp Leu Pro Tyr Asp Asp Val Val Arg Trp His Lys Glu
807 305                310                315                320
809 Gln Asn Leu Val Ser Lys Arg
810                325
812 BB-1255
E--> 813 1

```

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L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:97 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:98 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:99 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:100 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:101 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:226 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:227 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:228 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:229 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:230 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:352 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:353 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:356 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:358 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:391 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:394 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:409 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:412 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:415 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:451 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:452 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:511 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

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L:514 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:585 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:586 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:612 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:18
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:615 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:18
L:615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:624 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:18
L:624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:682 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:813 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:22